

The Turnover Rate of Glycogen and Glucose in  
Brain and in Liver of Hypoxemic Rate,  
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G. P. Scholova, 13 p.

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No 4, pp 279-285.

SLA 59-17374

Sci  
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Disorders of Amino-Acid Metabolism in Protein  
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FDD/X-3190

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40-15136

Sci - Chem, Med

10 Nov 58

S-4243

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S-4243

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US JPRS/NY-L-299

Sci - Medicine; Chemistry

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S-4243

(NY-1600)

Purification and Crystallization of Erythrogenic  
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A. S. Smcheglova, 6 pp.

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US JPRS/NY-L-300

Sci - Medicine; Chemistry

73,560

S-4959

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The Effect of a Vitamin P Preparation From  
Egiantine Nips on the Endurance of Animals in a  
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JPRS 1411-N

Sci - Med  
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JPRS 1A12-W

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(HY-1062)

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US JPRS/HY-L-363

Sci - Medicine, biochemistry

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SLA 59-17808

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Vol 2, No 9

*105 993*

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by A. A. Pokrovsky, 9 pp.  
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JPRS 25986

Sci - B & M  
Aug 64

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Microdetermination of Antimony in Urine and in  
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Treating Them With Antimonous Salts, by L. N. Rapin.

L  
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\*AFC

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Mar 59

3-307/64

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~~████████~~ DC-10696

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JPRG - 5986

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(2235-J)

The Effect of General Irradiation by X-rays on the  
Restoration of Serum Proteins in Dogs After  
Hemorrhage, by V. M. Rodin, V. D. Uspenskaya,  
O. G. Zamyatkina, T. Grunt, and V. P. Pelyakov, 16 pp.

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JPRS L-690-8

Sci - Med, Radiobiology  
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Sci - Med, radiobiology  
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SLA 59-17373

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Soporifics, by L. Ya. Tyakhepyl'd, 5 p.

RUSSIAN, per, Voprosy Meditsinskoy Khimii,  
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SLA 59-17372

Sci  
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(2235-II)

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Aromatic Amino Acids in Radiation Sickness, by  
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REF ID: A6528  
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Sci - Med, radiobiology  
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*Mar '59**10,700*

(2235-N)

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JPRS L-693-N

Sci - Med, radiobiology  
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*83  
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The Effect of Temporary "Exclusion" of the Heart  
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SLA 59-17371

Sci  
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S-5150

(DC-2783).

Next Tasks of Medical Chemistry, 4 pp.

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JPRS-823-D

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Sci - Med  
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(DC-2783).

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JPRS-L-1793-D

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Sci - Med - Radiation chemistry  
Aug 59

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Their Amides in Malignant Tumors, by T. T. Berezov,  
12 pp.

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Sci - Med  
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(DC-2783)

Changes in the Chemical Composition of the Testes  
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M. Alekseyeva, N. M. Timofayeva, 9 pp.

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1959, pp 48-53.

JPRS-L-1794-D

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Sci - Med - Radiation chemistry  
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NACO C-3385

Sci - Med, Chem  
26 Oct 60

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Rasina, L. G.

THE EFFECT OF CORTISONE ACETATE UPON  
TRANSAMINASE ACTIVITY IN THE TISSUES OF  
RABBITS. [1962] [11]p. 17 refs.  
Order from OVS or SLA \$1.60

64-25114

Transl. of Voprosy Meditsinskoi Biologii [SMB], 1962,  
v. 6, no. 2, p. 186-188.

REVIEWERS: ~~Medical students~~, \*Transaminase,  
\*Cortisone (Biology), Rabbits, \*Liver, \*Thymus gland,  
Muscles, Drugs, Enzymes, \*Lymphatic system.

Administration of cortisone to rabbits induces an increase in the weight of the liver and a decrease in the weight of the thymus gland, the lymphatic glands below the knee, and the muscles in the calf of the leg. The dry weight of the thymus gland is increased in animals that have received cortisone. There is no change in the (Biological Sciences--Pharmacology, TT, v. 9, no. 6)  
(over)

62-25114

L. Rasina, L. G.  
R. Translations, New York

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S-5286

(NY-2797).

The Isolation of Properdin and Some Data on  
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N. V. Choburkina, V. I. Tovarnitskiy, 9 pp.

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JPRB-L-916-N

Sci - Chem - Biochem  
Sep 59

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Biochemical Alterations in the Brain Cortex of P  
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No 5, 1959, pp 323-327.

SLA 60-10563

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Sci  
Jun 62

Vol 5, No 52

S 55/50

(DC-3373)-

Fractionation of Brain Tumor Proteins by Paper  
Electrophoresis, by A. V. Trufanov, 9 pp.

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JPRS 3148

Sci - Med, Biochemistry  
Apr 60

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S-50/c0

(DC-3373).

A Study of the Role of Amino Acids in Streptomycin  
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I. V. Gracheva, 18 pp.

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JPRS 3149

Sci - Med. Microbiology  
Apr 60

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S-240/60

(NY-3837)

Tissue Respiration and Glycolysis in the Development  
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G. V. Saizkin, 7 pp.

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1960, pp 49-52.

JPRS 2799

Sci - Med

Jun 60

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S-407/00

On the Role of Ribonucleic Acids in Protein  
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RUSSIAN, per, Voprosy Med Khim, Vol VI, No 2,  
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JPRS 2958

Sci - Med

Jul 60

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S-407/60

(NY-4107)

Ethylene -- an Endogenic Substance in Tumor  
Vectors, by M. T. Kokonov, 17 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VI, No 2,  
Mar/Apr 1960, pp 158-165.

JPRS 2960

Sci - Med

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62-14692	
<p>Kuzhman, M. I. THE MODE OF ACTION OF COCAINE UPON THE RESPIRATION OF BRAIN TISSUE. [1962] 18 p. 7 refs. Order from OTS or SLA \$1.10      62-14692</p>	
<p>Trans. of Vopr[osyj Meditsinskoi Khimii] (USSR) [1960] v. 6, no. 2, p. 188-191.</p>	
<p>DESCRIPTORS: *Alkaloids, Drugs, Pharmacology, *Respiration, *Brain, Inhibition, Tissues (Biology), Cells (Biology), Oxidation, Flavins, Enzymes.</p>	
<p>Addition of cocaine to the cerebral pulp in rats caused a decrease in oxygen consumption at the expense of oxyda- tion of endogenous substrates as well as upon addition of glucose, lactic and pyruvic acids. Addition of suc- cinic acid decreases oxygen consumption to a lesser degree. Glycolysis is not impaired. The dehydrogenase activity in the brain is considerably inhibited by cocaine. (over)</p>	
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(DC-4246)

Incorporation of Formate-C<sup>14</sup> Into Nucleoproteids  
and Albumins of Experimental Tumors, by V. A.  
Kisanova, Yu. S. Gurevich-Ussyukina, 3 pp.

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JPRS 3851

Sci - Med

Sep 60

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(NY-4825)

Conference on Questions of the Chemistry of  
Enzymes and the Mode of Their Action, by L. N.  
Ginodman, V. Z. Gorkiu, 15 pp.

RUSSIAN, per, Voprosy Medit Khim, Vol VI, No 3,  
1960, pp 323-326.

JPRS 5822

Sci - Chem

Oct 60

129, 084

<p>Bukin, V. N. THE BIOCHEMICAL FUNCTIONS OF VITAMIN B<sub>12</sub>. [1960] Ju. Order from ATS \$17.45  Trans. of Voprosy Meditsinskoy Khimii (USSR) 1960, v. 6, no. 4, p. 335-344.</p> <p>148,604</p> <p>(Biological Sciences--Pharmacology, TT, v. 5, no. 7)</p>	<p>61-14363</p> <p>I. Vitamin B<sub>12</sub>--Biochemical effects I. Bukin, V. N. II. ATS-81M45R III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS RJ-4188</p> <p>Office of Technical Services</p>
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Zakharov, N. V. and Orlyanskaya, R. L.  
EFFECT OF EXCITATION AND CONVULSIONS INDUCED BY CORDIAMINE ON THE METABOLISM OF PROTEIN AND PHOSPHATES IN THE BRAIN. [1962] [11]p. (1 fig. omitted) 25 refs.  
Order from OTS or SLA \$1.60

62-14755

Trans. of Vopr[osy] Med[itsinskoi] Khim[ii] (USSR)  
1960, v. 6, p. 349-353.

DESCRIPTORS: Physiology, \*Brain, Stimulation, Drugs,  
\*Metabolism, \*Phospholipids, \*Proteins, Labeled substances,  
\*Convulsions, \*Methionine, Pharmacology, Phosphates, Amines.

Stimulation evoked by cordiamine is accompanied by an increase in the metabolism of phospholipids, RNA, and phosphoproteides of the brain. Under the same experimental conditions an increase in the incorporation rate (Biological Sciences -- Pharmacology, TT, v. 9, no. 4)  
(over)

62-14755

I. Title: Cordiamine  
I. Zakharov, N. V.  
II. Orlyanskaya, R. L.

Office of Technical Services

(NY-5253)

On Lipoproteins and Blood Protein Fractions in  
Experimental Alimentary Hypercholesterolemia, by  
T. N. Lovyagina, 13 pp.

RUSSIAN, per, Voprosy Medit Khim, Vol VI, No 4,  
Jul/Aug 1960, pp 358-364.

JPRS 7268

Sci - Med

Jan 61

135,967

(NY-5253)

Effect of X-Ray Irradiation on the Formation of  
Enzymes in the Pancreas, by V. V. Nikol'skiy,  
G. V. Rubtsova, 6 pp.

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Jul/Aug 1960, pp 365-367.

JPRS 7269

Sci - Med

Jan 61

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(NY-5253)

Electrophoretic Study of Soluble Liver Proteins  
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T. A. Fedorova, S. S. Vasilyakii, 9 pp.

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Jul/Aug 1960, pp 377-381.

JPRS 7270

Sci - Med

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Effect of Insulin and Glucose on the Glycogen  
Content of the Liver in Radiation Sickness, by  
K. V. Gordeyeva, 9 pp.

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Jul/Aug 1960, pp 408-411.

JPRS 7271

Sci - Med

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135, 971

(SF-1327)

The Effect of External Ionizing Radiation on the  
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Lipid Metabolism, by K. V. Smirnov, V. A.  
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Sep/Oct 1960, pp 464-468.

JPRS 4345

Sci - Med

139,909

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(SF-1327)

Oxidative and Carbohydrate-Phosphate Metabolism in  
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8 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VI, No 5,  
Sep/Oct 1960, pp 475-479.

JPRS 4345  
OTS 63-16462  
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Sci - Med

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(SF-1327)

Enzymatic Formation of Hemolysins in Hepatic  
Tissue in Radiation Sickness, by V. N.  
Benevolenskiy, 7 pp.

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Sep/Oct 1960, pp 480-483.

JPRS 4345

Sci - Med

139,911

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(SF-1327)

On the Role of the Liver in the Metabolism of  
Uric Acid and Allantoin in Radiation Sickness,  
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7 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VI, No 5,  
Sep/Oct 1960, pp 497-500.

JPRS 4345

Sci - Med

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(SF-1327)

Effect of Cystamine on the Liver and Spleen  
Content of Nucleic Acids in Irradiated Rats, by  
V. G. Vladimirov, 8 pp.

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Sep/Oct 1960, pp 501-505.

JPRS 4345

Sci - Med

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Use of Mikrotsid (Glucose Oxidase) for Specific  
Quantitative Determination of Glucose in Blood, by  
I. S. Lukomskaya, V. K. Gorodetskiy, 5 pp.

RUSSIAN, per, Voprosy Medit Khim, Vol VI, No 6, 1960,  
pp 641, 642. 9076111

MEH 4-6-61

Sci - Med  
Jul 61

158, 319

(NY-6344)

Neuraminic Acid and Its Role in the Organism, by  
I. V. Tsvetkova, 20 pp.

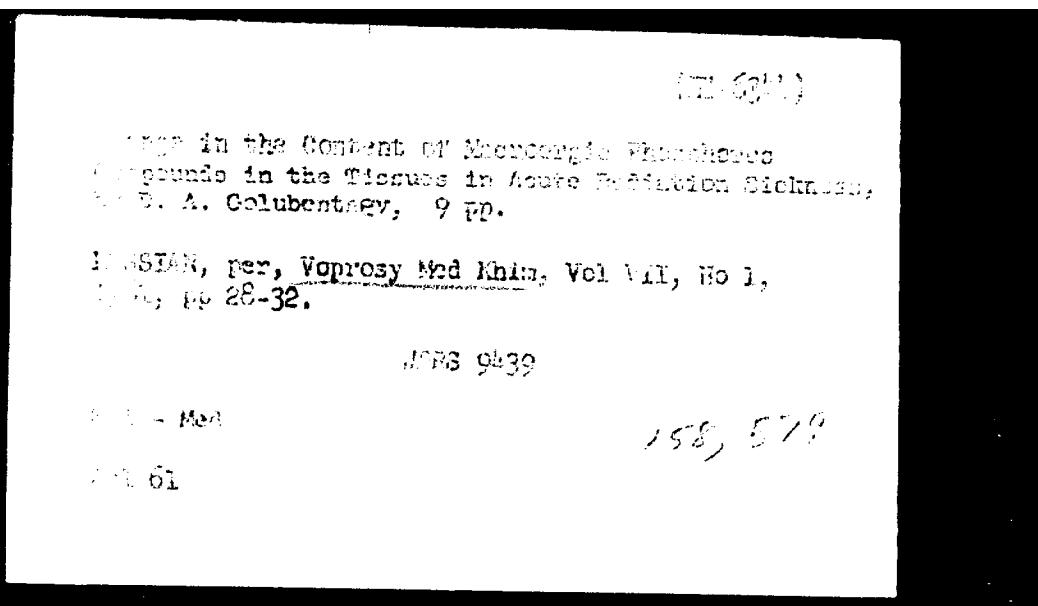
RUSSIAN, per, Химия Медицины, Vol VII, No 1,  
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JPR8 9438

Sci - Med

Jul 61

157, 092



(RU-0344)

Free Amino Acids of the Blood and Urine in Leucosis,  
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9 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 1, 1961,  
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JPRS 9440

Sci - Med

Jul 61

158, 528

(NY-6312)

The Menopause and Neoplastic Diseases, by V. M.  
Dil'man, 16 pp.

RUSSIAN, per, Voprosy Onkologii, Vol VII, No 1,  
1961, pp 108-118.

JPS 9499

Sci - Med

Jul 61

158, 5&5

(NY-6344)

Determination and Isolation of Antidiphtherial  
Antibodies With the Aid of Antigens Fixed on Cellulose  
by A. Ye. Gav Gurvich, M. V. Ispolatovskaya, K. N.  
Myasoyedova, 12 pp.

RUSSIAN, per, Voprosy Med. Khim., Vol VII, No 1,  
1961, pp 55-61.

JPRS 9441

157, 09Y

Sci - Med

Jul 61

(NY-6344)

The Connection Between the Paradoxical Action of  
Adrenaline in Cancer Patients and Its Effect on the  
Cholinesterase Activity, by R. I. Lifshits, 8 pp.

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1961, pp 61-65.

JPRS 9442

Sci - Med

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157,097

Vladimirov, G. E., Myul'berg, A. A., and Sytinskii, I. A.  
SEPARATION OF THE SOLUBLE PROTEINS OF THE HUMAN BRAIN BY ELECTROPHORESIS ON PAPER AND IN AGAR BLOCKS. [1963] [8]p. (tables omitted) 11 refs.

Order from OTS or SLA \$1.10 63-16379

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1961, v. 7 [no. 1] p. 65-70.

DESCRIPTORS: Separation, \*Proteins, \*Brain, \*Electrophoresis, Cytochemistry, Paper chromatography, Tissues (Biology), \*Histological techniques.

Electrophoretic separation of soluble proteins in the grey and white matter of the brain made possible the identification of 8 fractions on paper and 11 fractions in agar blocks. The proportional distribution of protein fractions is the same for white and grey matter. The (Biological Sciences--Biochemistry, TT, v. 10, no. 9) (over)

63-16379

I. Vladimirov, G. E.  
II. Myul'berg, A. A.  
III. Sytinskii, I. A.

Office of Technical Services

(NY-6344)

Experimental Thrombosis and Its Prevention With  
Trypsin Inhibitor, by G. V. Andreyenko, B. A.  
Kudryashov, 11 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 1,  
1961, pp 70-74.

JPRS 9443

Sci - Med

157,099

Jul 61

(NY-6344)

Certain Data on the Nature of the Immunobiologic  
Specificity of Proteins, by A. I. Nikolayev,  
14 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 1,  
1961, pp 74-81.

JPRS 9444

Sci - Med

Jul 61

157-104

Yakubovskaya, V. I. and Kiseleva, N. A.  
THE EFFECT OF AMINAZINE CHLORPROMAZINE  
ON THE LEVEL AND SYNTHESIS OF CHOLESTEROL IN THE LIVER OF PIGEONS. [1963] [6 p.  
25 refs.  
Order from OTS, SLA or ETC \$1.10 TT-63-19690

Trans of Voprosy Med[itsinskoi] Khim[ui] (USSR)  
1961, v. 7 [no. 1] p. 93-96. (Abstract available)

DESCRIPTORS: \*Chlorpromazine, Drugs, \*Cholesterol, \*Liver, Pigeons, Inhibition, Coenzymes, Tracer studies,

Pigeons were given subcutaneous injections of aminazine (25 mg/kg body weight) and intraperitoneal injections of 2-C<sup>14</sup> acetate (50 microcuries/kg). After a lapse of 3 hours the birds were sacrificed by decapitation. C<sup>14</sup> labeled cholesterol was isolated as the digitonide. Aminazine was found markedly to (Biological Sciences--Pharmacology, TT, v. 11, no. 2)  
(over)

TT-63-19690

I. Yakubovskaya, V. I.  
II. Kiseleva, N. A.  
III. Translations, New York

Office of Technical Services

(NY-6532)

The Problem of the Steady State in Muscular Activity, by N. N. Yakovlev, 22 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 2,  
Mar/Apr 1961, pp 120-132.

JPRS 9694

Sci - Med

Aug 61

162,137

(NY-6532)

The Uptake of Phenylalanine-C<sup>14</sup> by Proteins of  
Transplantable Animal Tumors, by Pan Ch'i-ts'ao,  
9 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 2,  
Mar/Apr 1961, pp 149-154.

JPRS 9694

Sci + Med

Aug 61

162,138

(NY-6532)

Changes in Skin Proteins After a Thermal Burn,  
by V. V. Oggel', 12 pp.

RUSSIAN, per, Voprosy Med Khim. Vol VII, No 2,  
Mar/Apr 1961, pp 172-178.

JPRS 9694

Sci - Med

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162,139

(NY-6532)

Acetone Bodies in the Myocardium of the Rabbit  
With Aortic Stenosis, by M. F. Vyalikh, N. G.  
Iutsenko, 8 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 2,  
Mar/Apr 1961, pp 186-190.

JPRS 9694

Sci - Med

162,140

Aug 61

(NY-6532)

Detection and Extraction of a Glycoprotein From  
Blood Serum Which Causes a Reduction in Coronary  
Outflow, by A. A. Dubinskiy, 6 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 2,  
Mar/Apr 1961, pp 197-200.

JPRS 9694

Sci - Med  
Aug 61

162,141

<p>Kuzhman, M. I. THE EFFECT OF LOCAL ANESTHETICS UPON RESPIRATORY PHOSPHORYLATION. [1962] {6}p. 15 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of Voprosy Meditsinskoi Khimii (USSR) 1961 [v. 7, no. 3] p. 243-245.</p> <p>DESCRIPTORS: *Drugs, *Anesthetics, Inhibition, Respiration, *Phosphorylation, *Absorption, *Oxygen, Synthesis, Phosphates, *Procaine.</p> <p>The effects were studied of the more commonly used local anesthetics (novocaine, cocaine, dicaine, anes- thesine, sovocaine, mesocaine and xylocaine) on the process of respiratory phosphorylation. These anes- thetics to a considerable degree disrupt or inhibit respiration and phosphorylation, reducing not only the absorption of oxygen, but also the synthesis of mineral phosphate. (Biological Sciences--Pharmacology, TT, v. 8, no. 6)</p>	<p>62-14750</p> <p>I. Kuzhman, M. I.</p>
Office of Technical Services	

XHEMEXAK STRUKTUR

CHEMICAL STRUCTURE AND BIOLOGICAL ACTIVITY OF  
ORGANOPHOSPHORUS INHIBITORS OF CHOLINESTERASE, BY  
R. I. VOLKOVA, N. N. GODOVIKOV, ET AL, 17 PP.

RUSSIAN, PER, VOPROSY MEDIT KHIM, VOL VII, NO 3,  
1961, PP 250-258.

JPRS 18872

SCI - BIOL-MED SCI

MAY 63

*Jprs 10391*

228,839

(SF-1938)

The Activity of Certain Glycolytic Enzymes in the Blood of Cancer Patients, by V. P. Korotkoruchko, P. D. Dvornikova, I. N. Ishchenko, 6 pp.

ROSSIAli, per, Voprosy Med Khim, Vol VII, No 3, 1961,  
pp 273-276.

JPRS 10736

Sci - Med

174, 811

Dec 61

(SF-1900)

Protein Changes in the Crystalline Lens From  
Experimentally Induced Radiation Cataract, by K. F.  
Firfarova, Ye. M. Kedrova, 9 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 3,  
1961, pp 285-291.

JPRS 10786

Sci - Med

174,812

Dec 61

<p>Vaisfeld, L. L. URINARY EXCRETION OF 5-HYDROXYINDOLEACETIC ACID IN CERTAIN NEUROPATHOLOGICAL CONDITIONS. [1962] 6p. (figs. omitted) 20 refs. Order from OTS or SLA \$1.10 62-20327</p> <p>Trans. of Voprosy Meditsinskoi Khimii (USSR) 1961, v. 7, no. 3, p. 309-313.</p> <p>DESCRIPTORS: Urine, Excretion, Pathology, *Brain, Muscles, *Indoles, *Acetic acids, *Hydroxides.</p> <p>Daily (24) excretions of 5-hydroxyindoleacetic acid in patients with lesions of the diencephalus and with predominantly vegetative-vascular symptomatology range between 1.3 and 7.6 mg; while in patients with predominantly neuro-endocrinial disturbances the range is from 0.0 to 9.5 mg (where normal figures are 1.7 to 7.2 mg.) In myasthenic patients the output is lowered, the mean (Biological Sciences--Pathology, TT, v. 9, no. 9) (over)</p>	<p>62-20327 I. Vaisfeld, L. L.  Office of Technical Services</p>
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(SF-1988)

A Conference Devoted to the Chemistry and Biochemistry  
of Blood Plasma Proteins, by V. Z. Gorkin, 6 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 3, 1961,  
pp 329-332.

JPRS 10736

Sci - Med

174, 813

Doc 61

(NY-6734)

Incorporation of Methionine- $\beta^{35}$  in the  
Proteins of Rat's Liver Following Adminis-  
tration of Cortisone and Under Conditions  
of Starvation, by V. P. Tryufanov,  
9 pp.

RUSSIAN, per, Voprosy Med. Khim.,  
Vol VII, No 4, Jul/Aug 1961, pp 354-357.

JPRB 11107

Sci - Med  
Dec 61

176,186

(NY-6734)

Incorporation of Labeled Lysine-1-C<sup>14</sup>  
Into the Proteins of Transplantable  
Tumors and the Organs of Rats, by  
P'an Ch'i-Ts'ao, 9 pp.

RUSSIAN, per, Voprosy Meditsinskoy Khim,  
Vol VII, No 4, Jul/Aug 1961, pp 350-362.

JPRS 11106

Sci - Med  
Dec 61

176, 214

(NY-6734)

Comparative Studies on Transaminase  
Activity in Malignant Tumors, by T. T.  
Berezov, 13 pp.

RUSSIAN, per, Voprosy Medit Khim,  
Vol VII, No 4, Jul/Aug 1961, pp 417-424.

JPRS 11169

Sci - Med  
Dec 61

176,192

Polyakova, N. M. and Untina, N. A.  
PHOSPHOGLUCOMUTASE ACTIVITY OF DIFFERENT REGIONS AND INTRACELLULAR BRAIN STRUCTURES. [1962] [4p].  
Order from OTS or SLA \$1.10

62-14718

Partial trans. (tables only) of Voprosy Meditsinskoi Khimii (USSR) 1961, v. 7 [no. 5] p. 524-527.

DESCRIPTORS: \*Phosphorylases, \*Brain, Cells (Biology), Tissues (Biology).

(Biological Sciences--Biochemistry, TT, v. 8, no. 5)

62-14718

I. Polyakova, N. M.  
II. Untina, N. A.

Office of Technical Services

On the Nature of the Catalytic Sites of Amine Oxidases: Role of Zinc in the Action of the Amine Oxidase of Blood Serum, by V. Z. Gorkin.

RUSSIAN, per, Voprosy Med Khim, Vol VII, No 6,  
pp 632-638, 1961.

NH 9-9-62

Sci - Med

Dec 62

218,863

(DC-6825)

BIOSYNTHESIS AND FIBRILLOGENESIS OF COLLAGEN  
PROTEINS, BY V. I. MAZUROV, 30 PP.

RUSSIAN, PERIODICAL, VOPROSY MEDIT. KHM., VOL VIII,  
NO 1, 1962, PP 3-16.

JPRS 13953

SCI - MED  
JUN 62

197,472

(DC-6825)

DISTURBANCE OF THE ~~METABOLISM~~ METABOLISM OF  
TISSUE IRON IN LIVER FROM IRRADIATED MICE,  
BY G. V. VOSKOBOYNIKOV, 9 PP.

RUSSIAN, PER, VOPROSY MEDIT KHIM, VOL VIII,  
NO 1, 1962, PP 17-19.

JPRS 13953

SCI - MED  
JUN 62

197,473

Usbekova, D. G.

THE EFFECT OF GLUTAMIC ACID AND COFFEEIN  
UPON GLUTAMINE, GLUTAMIC ACID, AMMONIA,  
AND ADENOSINE TRIPHOSPHATE CONTENT IN  
CEREBRAL HEMISPHERES. [1962] [5]p. 15 refs.  
Order from OTS or SLA \$1.10

62-20328

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, [no. 1] p. 83-86.

DESCRIPTORS: \*Glutamic acid, \*Caffeine, \*Ammonia,  
\*Adenosine phosphates, \*Brain, Metabolism, Drugs,  
Biochemistry.

The administration - over a six-day period of glutamic acid (100 mg/100 g body weight/day) - in no way effects the content of ammonia, glutamic acid, glutamine, and adenosine triphosphate in the cerebral hemispheres.  
At the same time, considerable variation in the content (Biological Sciences - Pharmacology, TT, v. 9, no. 10)  
(over)

62-20328

I. Usbekova, D. G.

Office of Technical Services

Derviz, G. V., Mogilei, I. M., and Kimeral, R. E.  
A DOUBLE MANOMETRIC APPARATUS WITH MAGNETIC STIRRER FOR ANALYZING BLOOD GASES.  
[1963] [11p. (figs. omitted) 3 refs. FASEB manuscript  
no. S 107-2.

Order from OTS or SLA \$1.60                    63-19370  
figs. available on loan from OTS

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 1, p. 87-92.

DESCRIPTORS: \*Manometers, \*Blood, \*Gas analysis,  
Hematology, Medical equipment, Operation, Oxygen,  
Carbon dioxide.

A description is given of a new model of the Van Slyke  
manometric apparatus for blood gas analysis. It  
differs from the conventional model in that two analyses  
may be run simultaneously in the two extraction re-  
(Biological Sciences--Biochemistry, TT, v. 10, no. 5)  
(over)

63-19370

- I. Title: Magnetic stirrers
- II. Derviz, G. V.
- III. Mogilei, I. M.
- IV. Kimeral, R. E.
- V. FASEB S-107-2
- V. Federation of American  
Societies for Experimental  
Biology,  
Washington, D. C.
- VI. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Contribution to the Problem of Chemical Biochemistry,  
by A. V. Sigerst,

1962, 2nd, Voprosy Radiat Khim, Vol VIII, No 1,  
pp 95-99.

NIE 2-49-63

Ref. - Chem

Mag 63

231,975

(M-7105)

Change of Glycogen Content in the Liver  
and Muscles of Animals Adapted to Cold  
and Animals Not Adapted to Cold, by  
L. A. Guseva, 17 pp.

RUSSIAN, per, Voprosy Med Khim,  
Vol VIII, No 2, 1962, pp 199-204.

JFRS 14032

Sci - Med  
Jun 62

199,320

Zbarskil, I. B., Ermolaeva, L. P., and  
Dmitrieva, N. P.  
RESIDUAL PROTEIN IN THE NUCLEI OF NORMAL  
AND TUMOROUS CELLS. [1963] [8]p. 11 refs.  
FASEB manuscript no. S 41-3.  
Order from OTS or SLA \$1.10 63-23056

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 2, p. 218-221.

DESCRIPTORS: \*Proteins, Cytoskeletry, \*Nucleoproteins,  
\*Cells (Biology), \*Cancer, \*Nuclei (Biology),  
Electron microscopy.

Electronic microscopic investigations were made of  
the residual proteins derived from nuclei of cells of  
a normal liver, a strain of carcinoarcoma cells, and  
a strain of sarcoma cells. These studies indicate that  
(Biological Sciences--Biochemistry, TT, v. 10, no. 9)  
(over)

63-23056

- I. Zbarskil, I. B.
- II. Ermolaeva, L. P.
- III. Dmitrieva, N. P.
- IV. FASEB S-41-3
- V. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VI. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

(NY-7183)

BIOCHEMISTRY OF THE HEART MUSCLE IN MYOCARDIAL INFARCTS, BY V. M. RUBEL', 16 PP.

RUSSIAN, PER, VOPROSY MEDIT KHMII, VOL VIII,  
NO 3, MAY/JUN 1962, PP 227-236.

JPRS ~~X-885~~ 14885

SCI - MED

AUG 62

208,727

<p>Karpyuk, S. A. and Germanyuk, Ya. L. TRANSAMINASE ACTIVITY AND CONTENT OF SERUM PROTEIN FRACTIONS IN CERTAIN DISEASES OF THE ABDOMINAL ORGANS. [1963] [12]p. (15 refs, omitted) 11 refs. FASEB manuscript no. S 96-2. Order from OTS or SLA \$1.60 Trans. of <u>Voprosy Meditsinskoi Khimii</u> (USSR) 1962, v. 8, no. 3, p. 270-274.</p> <p>DESCRIPTORS: *Transaminases, Blood proteins, *Diseases, *Abdomen, Pancreas, Liver function tests, Gall bladder.</p> <p>The activity of <i>D</i>-ketoglutarate-alanine transaminase of the blood serum increases in a number of acute diseases of the organs of the abdominal cavity; its highest activity is noted in acute cholecystitis and pancreatitis. The activity of <i>D</i>-ketoglutarate-aspartate transaminase (Biological Sciences--Pathology, TT, v. 10, no. 6) (over)</p>	<p>63-19368</p> <p>I. Karpyuk, S. A. II. Germanyuk, Ya. L. III. FASEB S-96-2 IV. Federation of American Societies for Experimental Biology, Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Khaustova, I. M. and Ugleva, A. I.  
PURIFICATION AND SEPARATION OF CLOSTRIDIUM  
PERFRINGENS TOXINS AND TOXOIDS. [1962] [9]p.  
5 refs. FASEB manuscript no. S 97-2.  
Order from OTS or SLA \$1.10

63-15983

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 3, p. 276-279.

DESCRIPTORS: Purification, Separation, \*Clostridium perfringens, \*Toxins and antitoxins, Sodium compounds, Phosphates, Bacterial toxins, Antigens.

A study was made of the effect of the pH and temperature on purification of Clostridium perfringens toxin by sodium hexametaphosphate. The highest yield of antigen and the greatest specific activity were obtained when the toxin was acidified to pH 3.2 at 3°C and the precipitate separated 30 minutes after acidification. (Biological Sciences--Biochemistry, TT, v. 10, no. 6)

(over)

63-15983

I. Khaustova, I. M.  
II. Ugleva, A. I.  
III. FASEB S-97-2  
IV. Federation of American Societies for Experimental Biology, Washington, D. C.  
V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Aleksandr Yevseyevich Braunshteyn, 5 pp.  
RUSSIAN, per, Voprosy Medit Khim, No 3, 1962,  
pp 325-328.  
JPRS 23889

USSR  
Blog  
Apr 64

254, 171

Bychkov, S. M.  
NEW DATA ON HUMAN GROUP-SPECIFIC MUCOIDS.  
[1963] [45]p. 45 refs. FASEB manuscript no. S 108-3.  
Order from OTS or SLA \$4.60 63-23049

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 4, p. 339-353.

DESCRIPTORS: \*Body fluids, Biochemistry, Genetics,  
\*Mucopolysaccharides, \*Glycoproteins, Secretions,  
\*Antigen-antibody reactions.

(Biological Sciences--Physiology, TT, v. 10, no. 7)

63-23049

- I. Title: Group specific mucoids
- II. Bychkov, S. M.
- III. Federation of American Societies for Experimental Biology, Washington, D.C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Luganova, I. S. and Seita, I. F.  
GLYCOGEN CONTENT AND METABOLISM IN  
NORMAL AND LEUKEMIC HUMAN LEUKOCYTES.  
Nov/Dec 63, 5 p 22refs  
Order from FASEB \$2.00 in Federation Proceedings  
Translation Supplement, v. 22, no. 6, p. II,  
p. T1058-T11062

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 4, p. 354-(361).

DESCRIPTION: \*Glycogen, \*Metabolism, \*Leukocytes,  
\*Leukemia, Cells (Biology), Cytochemistry, Blood  
disorders, Blood cells,

(Biological Sciences--Pathology, TT, v. 11, no. 10)

TT-63-17973-6  
(p. T1058-T11062)

I. Luganova, I. S.  
II. Seita, I. F.  
III. Federation of American  
Societies for  
Experimental Biology,  
Washington, D. C.

Office of Technical Services

CHANGES IN THE CONTENT OF COLLAGENOUS PROTEINS  
OF THE SKIN FOLLOWING AN EXPERIMENTAL BURN,  
BY E. P. KYUZ, V. V. OPELY, 9 PP.

RUSSIAN, PER, VOPROSY MEDITSINSKOY KHIMII,  
VOL VIII, NO 4, 1962, PP 379-384.

JPRS 16441

SCI - MED  
DEC 62

217,239

The Effects of Beryllium and Other Bivalent Cations  
on Some Intermediate Reactions of Glycolysis,  
by Lyu Yuy-tan, 6 pp.  
RUSSIAN, per, Voprosy Medit Khim, Vol VIII, 1962,  
pp 392-395.  
JPRS 27031

No 4

Sci-Chem

Dec 64

270,107

Isolation of Insulin-like Compounds From Blood  
Plasma and Urine on Ion-Exchange Resins, by  
L. L. Liberman, 12 pp.

RUSSIAN, per, Voprosy Med Khim, Vol VIII, No 4,  
1962, pp 420-423.

AT&T RJ-4185 A30QV1R (6pp)  
LTS, JLA 1 E7C 77-62-23907  
.. .. TT-62-10209 (4pp)

Sci - Biol & Med Sci  
Dec 53

244,890

CONFERENCE ON THE PROBLEM THE BIOLOGICAL ROLE  
OF TRACE ELEMENTS, BY V. A. DEL'VA, 5 PP.

RUSSIAN, PER, VOPROSY MEDITSINSKOY KHMII,  
VOL VIII, NO 4, 1962, PP437-439.

JPRS 16441

SCI - MED

DEC 62

217,240

Etingof, R. N.  
METABOLISM IN TISSUE CULTURE CELLS. [1963]  
[34p] 151refs FASEB Manuscript no.: S 440-3.  
Order from OTS, SLA, or ETC \$3.60 TT-63-24527

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 5, p. 451-463.

A survey of the literature.

DESCRIPTORS: \*Metabolism, Cells (Biology),  
\*Tissue culture, Biochemistry,

(Biological Sciences, TT, v. 11, no. 5)

TT-63-24527

- I. Etingof, R. N.
- II. FASEB-S-440-3
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

CHANGE IN THE CONTENT OF BIOLOGICALLY ACTIVE  
SUBSTANCES IN RATS FOLLOWING IN THE ACTION OF  
RADIAL ACCELERATIONS, BY I. M. KHAZEN,  
I. L. VAYSFEL'D, 9 PP.

RUSSIAN, PER, VOPROSY MEDITSINSKOY KHIMII,  
VOL VIII, NO 5, SEP -OCT 1962, PP 493-497.

SCI - MED

JPRS 16956  
FTD-TT-64-202 (9695057)

JAN 63

218,993

Liu, Yu-tan.

OXIDATIVE METABOLISM IN LUNG AND LIVER  
TISSUE IN EXPERIMENTAL BERYLLIOSIS. [1963]  
[26p] FASEB manuscript no. S 440-2  
Order from OTS, SLA, or ETC \$2.60 TT-63-23885

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 5, p. 318-333. (Abstract available)

DESCRIPTORS: Oxidation, \*Metabolism, Lung, Liver,  
Tissues (Biology), \*Beryllium poisoning.

The O<sub>2</sub> uptake of lung tissue from white rats with experimental berylliosis was reduced, but the O<sub>2</sub> uptake in liver tissue did not change within 3 months after administration of beryllium to the animals. In berylliosis the rate of  $\alpha$ -ketoglutaric acid oxidation in lung tissue was reduced, depending upon the time elapsed after administration of beryllium. An inhibition (Biological Sciences--Toxicology, TT, v. 11, no. 9)  
(over)

TT-63-23885

- I. Liu, Yu-tan -
- II. FASEB S-440-2
- III. Federation of American Societies for Experimental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

MECHANISM OF THE ANTIEDEMATOUS ACTION OF PAR-  
ENTERALLY ADMINISTERED & CRYSTALLINE PRO-  
TEINASES, BY K. N. VEREMEYENKO, 11 PP.

RUSSIAN, PER, VOPROSY MEDITSINSKOY KHIMII,  
VOL VIII, NO 5, SEP - OCT 1962, PP 525-531.

JPRS 16956

SCI - MED

FHSEB

JAN 63

218,994

Silakova, A. I., Trush, G. P., and Yavilyakova, A.  
MICROMETHOD OF DETERMINING AMMONIA AND  
GLUTAMINE IN TRICHLOROACETIC TISSUE. [1963]  
[17p] (figs refs omitted) Briefs FASEB Manuscript  
no. S 445-2.

Order from OTS, SLA or ETC \$1.60 TT-63-23884  
figs available on loan from OTS

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962,  
v. 8, no. 5, p. 538-544. (Abstract available)

DESCRIPTORS: \*Microanalysis, \*Ammonia,  
\*Glutamine, Acetic acids, Chlorides, \*Tissues  
(Biology).

Simple and rapid methods of serial determinations of ammonia and glutamine are described. In the determination of ammonia in trichloroacetic acid extracts from tissues in the presence of labile ammonia-forming substances (glutamine), the alkalinizing agents should be (Biological Sciences--Biochemistry, TT, v. 11, no. 6)(over)

TT-63-23884

- I. Silakova, A. I.
- II. Trush, G. P.
- III. Yavilyakova, A.
- IV. FASEB S-445-2
- V. Federation of American Societies for Experimental Biology, Washington, D.C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

BIOCHEMISTRY OF THE NERVOUS SYSTEM,, BY  
N. N. DEMIN, L. Z. PEVZNER, 12 PP.  
RUSSIAN, PER, VOPROSY MEDITSINSKOY KHIMII,  
VOL VIII, NO 5, SEP - OCT 1962, PP 553-558.

JPRS 16956

SCI - MED

JAN 63

218,995